



SABODERM OP

INCI Name: ETHYLHEXYL PALMITATE

CAS Number: 29806-73-3

HLBr Value: 10-11

Polarity: medium

Spreadability: medium fast

Density 20°C: 0,855-0,860 g/cm³

Refraction index 20°C: 1,4450-1,4490

General Information

Saboderm OP is a palm oil derivative emollient with low occlusivity. It's a good alternative to Isopropyl palmitate and silicones (ex. dimethicone). It gives a pleasant skin feel, softness and smoothness.

Properties

Light emollient with good spreading and conditioning properties. No greasy oil. Good solubilizing properties for active ingredients. Stable to oxidation.

Applications

- Creams and lotions
- Body oils
- Bath additives
- Sun care: Crystalline UV filter solubilizer
- Hair care: conditioning products (silky effect and low tackiness)
- Make up: binding in lipstick

Use level

Skin care: 2-10%

Hair care: 10% in dry hair conditioning. 2-5% for greasy hair products.

Regulatory information

See DATA SET document for further information

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Safety and toxicology

SEE MSDS and DATA SET document for further information

Sun filter solubility at 25°C

- Butyl methoxydibenzoyl methane: **7-9%**
- Ethylhexyl triazone: **4 %**
- Benzophenone-3: **5-8%**
- 4-Methyldibenzylidene Camphor: **16%**

Guideline Formulation

Hair Sunscreen Spray (Cod. HSS30-556OC03)

Technical Application Sheet

Ingredients and functions

Product Name	INCI	%	Function	Notes
Phase I		100,0000		
Saboderm OP	Ethylhexyl Palmitate	10,0000	Emollient	
Saboderm AB	C12-15 Alkyl Benzoate	47,0000	Emollient	
Saboderm DBA	Dibutyl Adipate	15,0000	Emollient	
Saboderm CV	Coco-Caprylate	10,0000	Emollient	
Ethylhexyl methoxycinnamate	Ethylhexyl methoxycinnamate	8,5000	UV-B Filter	
Diethylamino hydroxybenzoyl hexyl benzoate	Diethylamino hydroxybenzoyl hexyl benzoate	6,0000	UV-A Filter	
Bis-Ethylhexyloxyphenol Methoxyphenyl triazine	Bis-Ethylhexyloxyphenol Methoxyphenyl triazine	2,5000	UV-A + UV-B Filter	
Vitamin E	Tocopherol	1,0000	Antioxidant	
Total		100,0000		

Review N°02

Date of review: 06/02/2018

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